# Installing LS68_App for Windows 10 x64

**NOTE: VERSIONS MAY VARY AS NEW RELEASES BECOME AVAILABLE**

It is assumed that you have the LS-26DRSM properly connected to the Network and can ping its IP address (usually 192.168.16.220 static – the unit used here is at 192.168.15.222, change as appropriate).
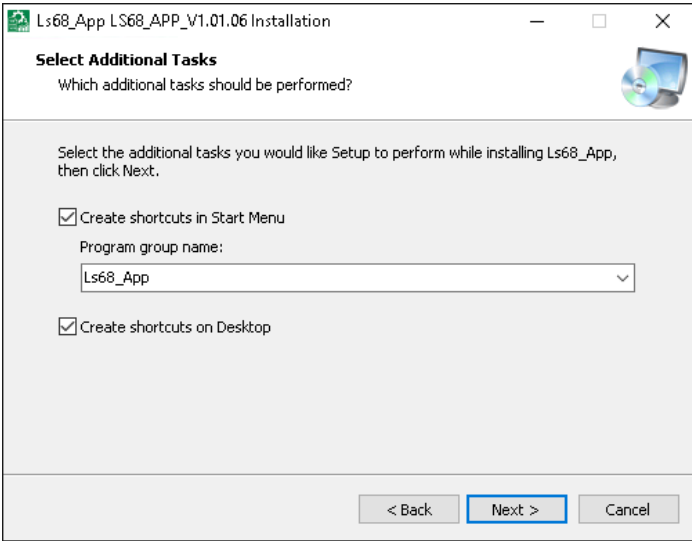
Download the Ls68_App from: **https://lumi-star.com/ls-68-m-software/**, or using the install you were given, install it as Administrator:
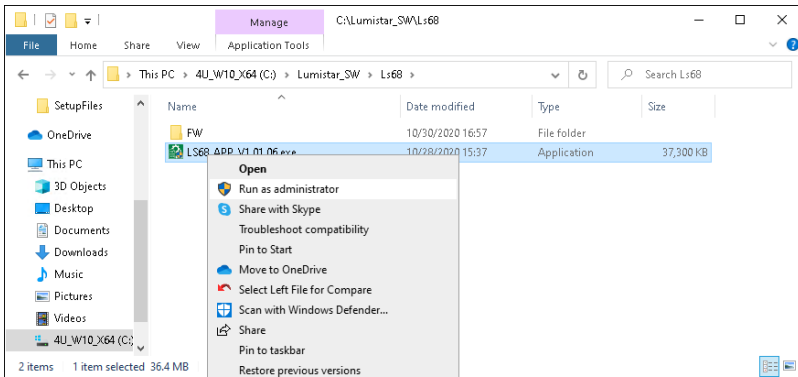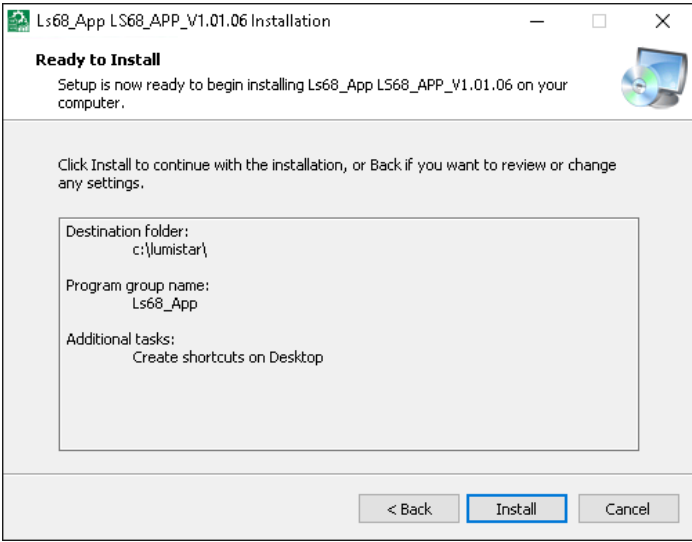
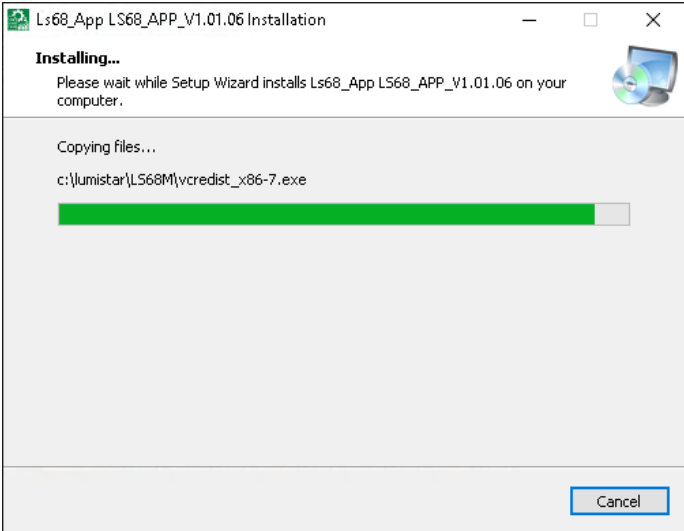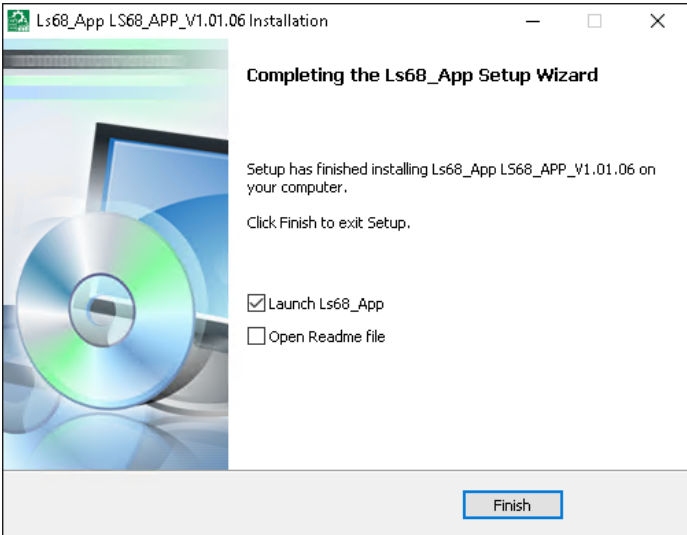

Click the **Next** Button.
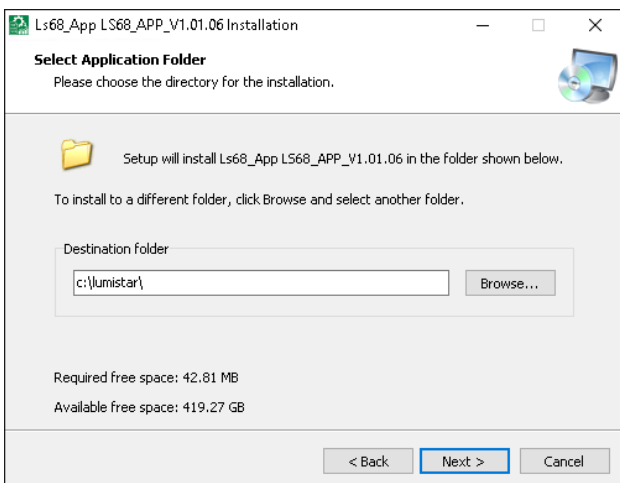
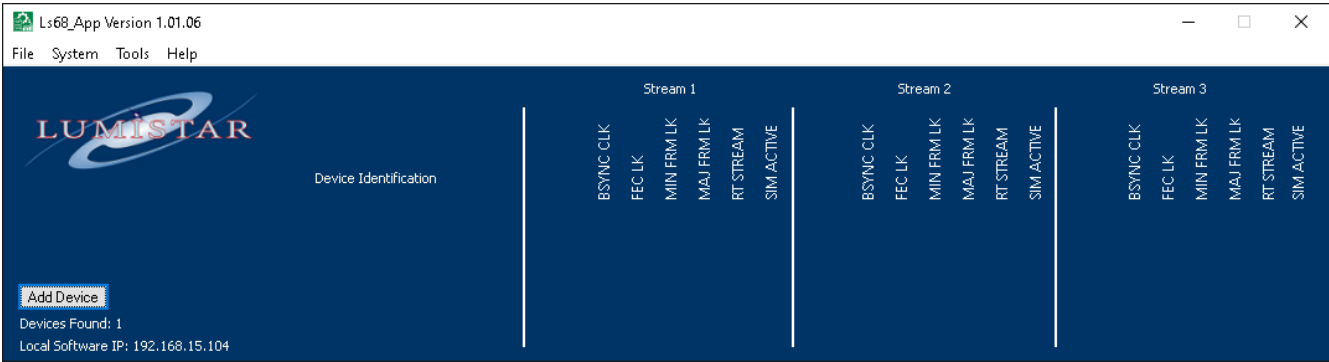

Click the **Next** Button.

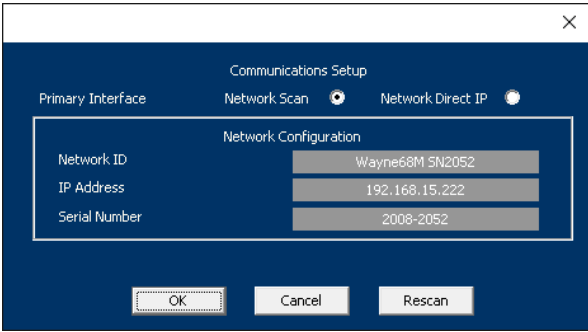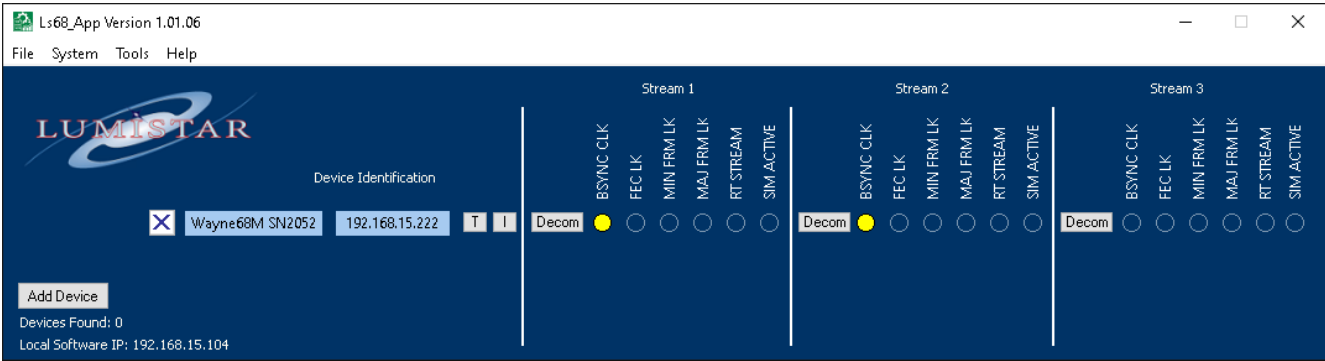Click the **Next** Button.
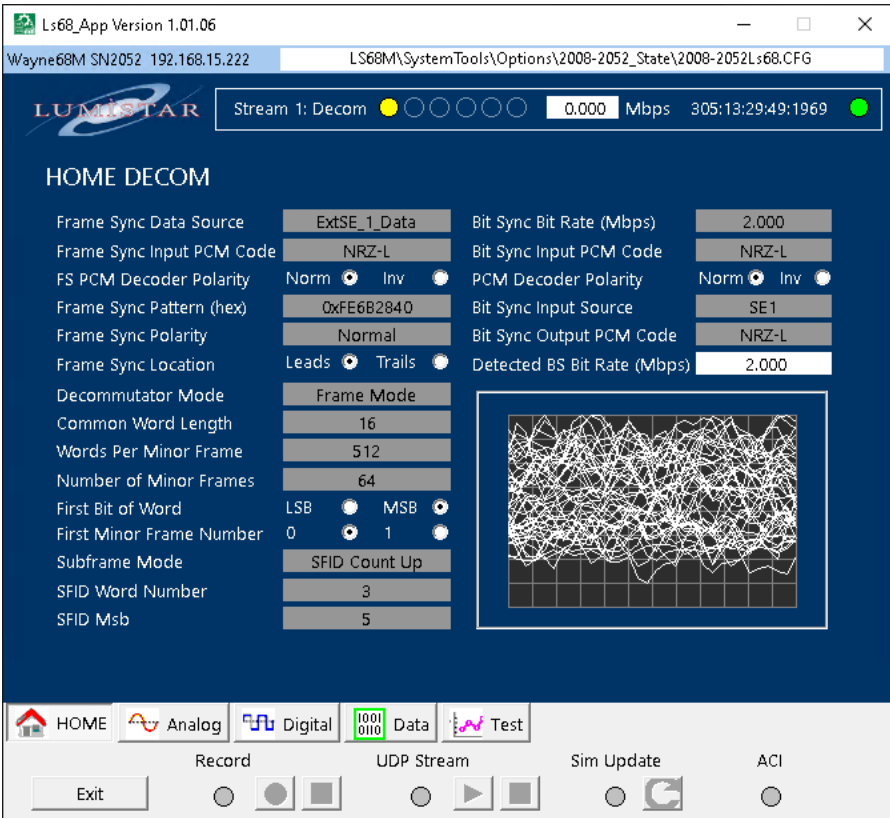

Click the **Install** Button.
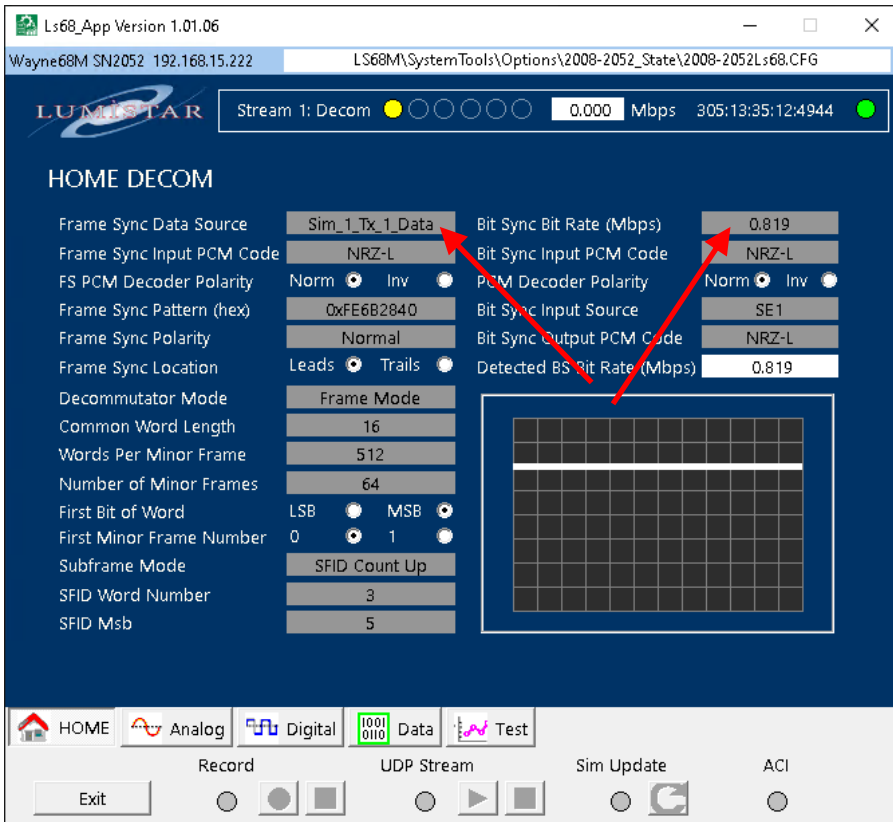
Click the **Finish** Button.

Click the **Add Device** Button.

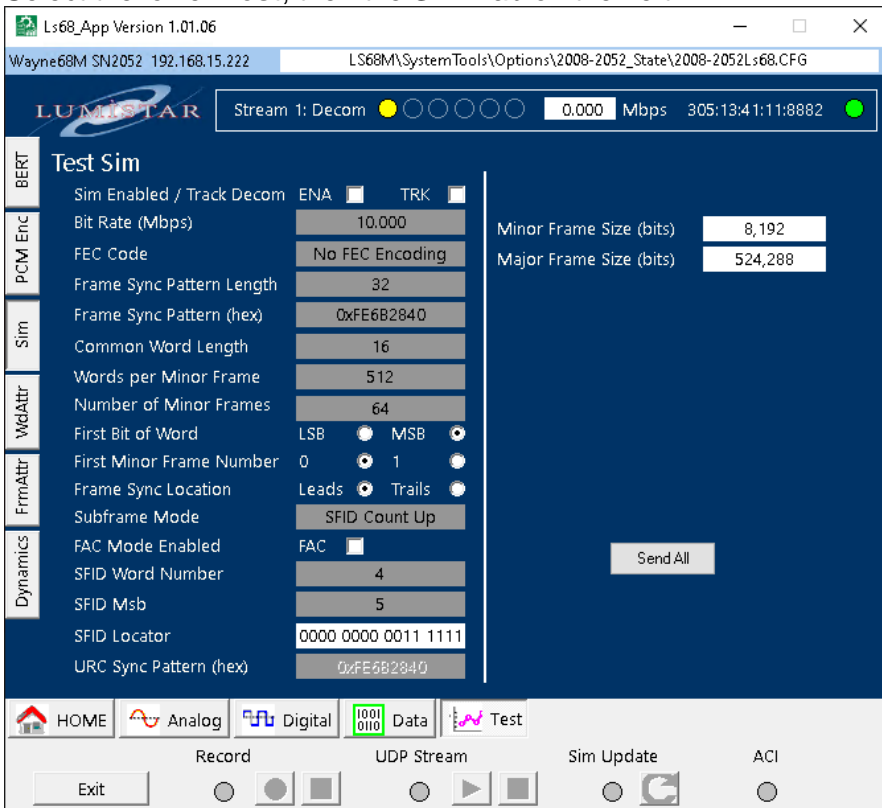Select the **IP Address** or **Name** of the Device
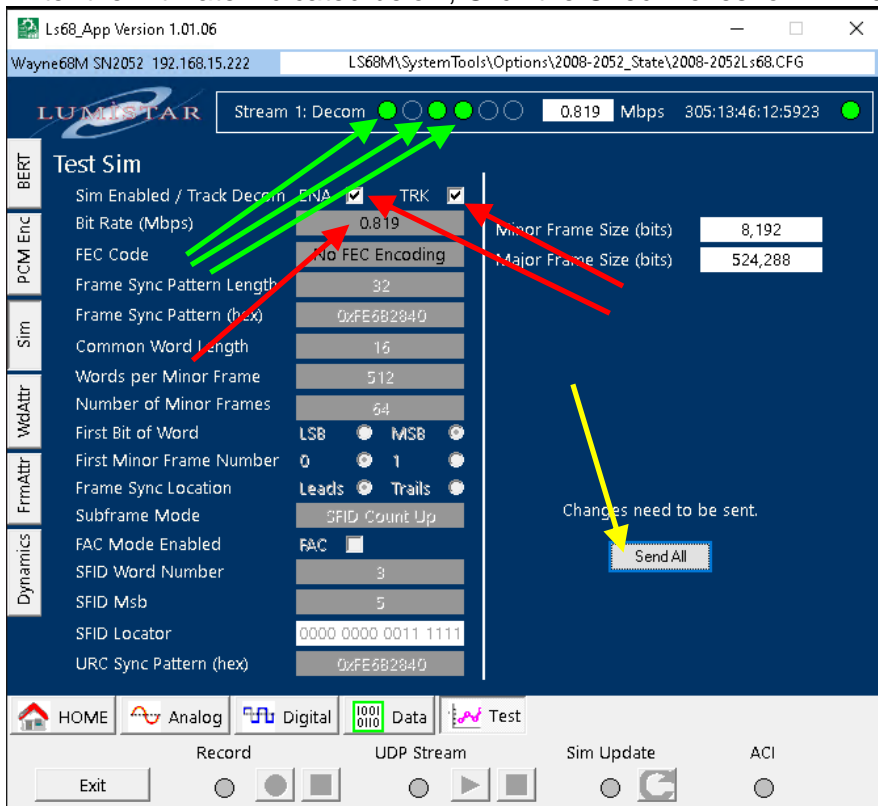

Click the Stream 1, **Decom** Button.

Select and Enter the indicated values below:

Select the lower **Test**, then the **Sim** Tab on the Left.

Enter the Bit Rate indicated below, Click the CheckBoxes for **ENA** and **TRK,** then Click the **Send All** Button.

Notice the **Bit Sync**, **Major** and **Minor Frame Lock** indicators are now Green indicating they are Locked.

Click the Windows Icon ⊞ on the lower left side of the Desktop and type "**allow an**", the Select:
Allow an app through Windows Firewall
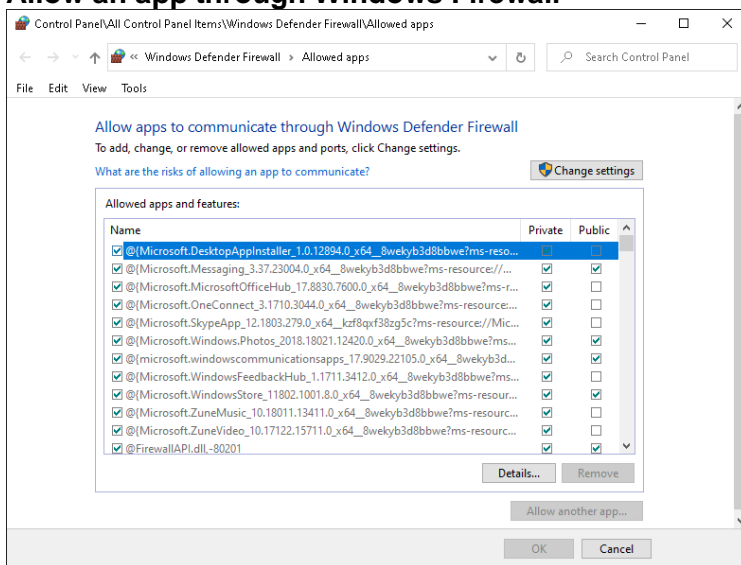
Click the **Change Settings** Button, then click the **Allow another app…** Button.
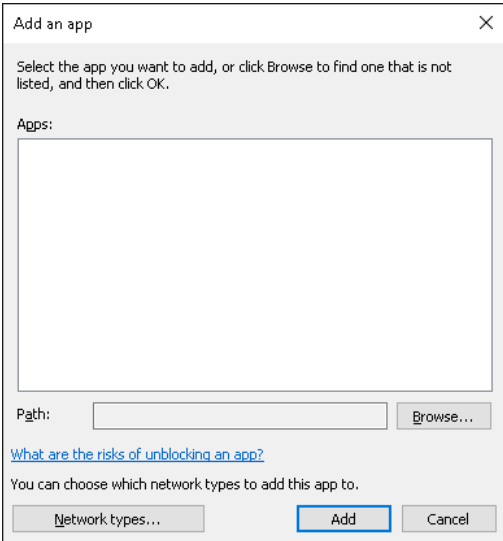
Click the **Browse…** Button.

Steer to the **Ls68_App.exe** as shown below:

Click the **Open** Button

Click the **Add** Button.

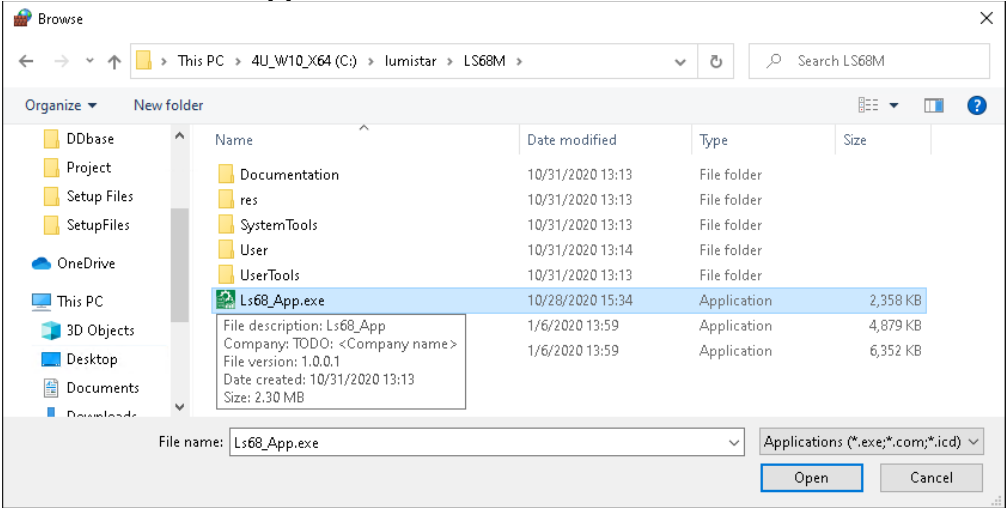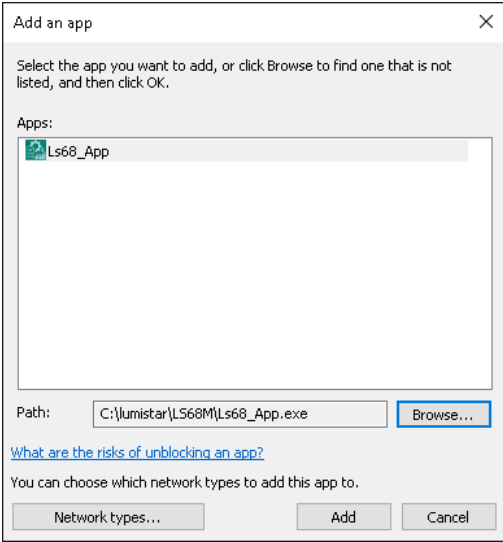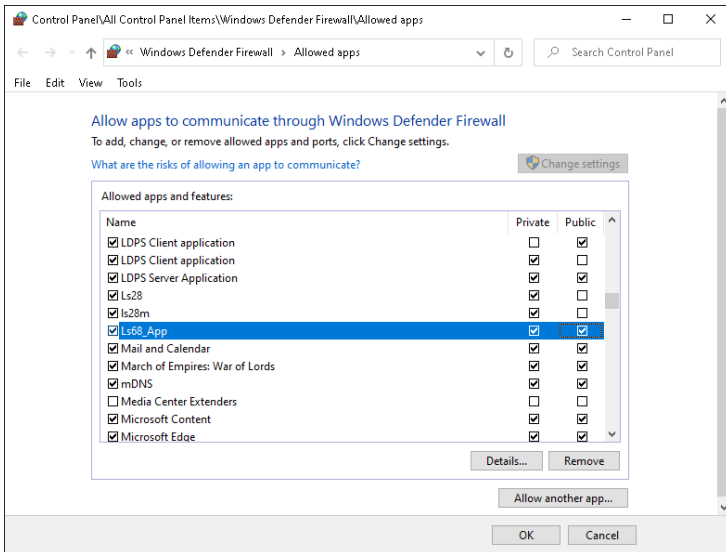This exception has been added for **Private** Neworks, (you can add **Public** if you wish) Click the **OK** Button.

Click the Bottom **Data** Tab, the Click the Left **Stream** Tab.
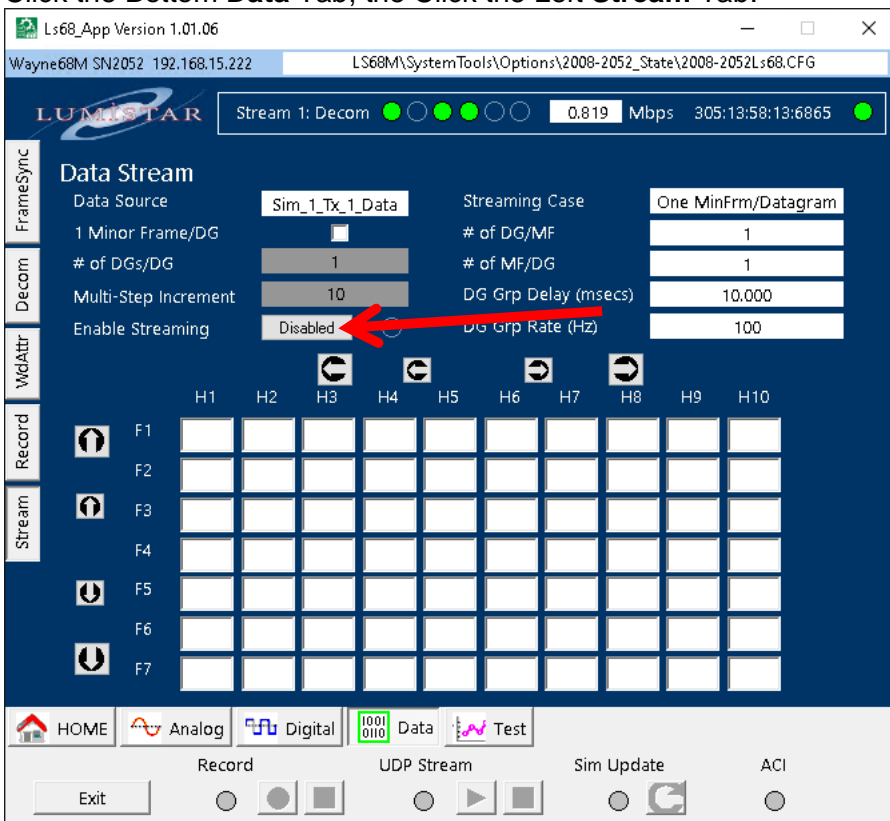
Click the **Enable Streaming** Button to toggle it to **Enabled**.

Now under the **UDP Stream** heading at the bottom of the Window, the Srreaming Button can now be Clicked to start Streaming Data - **Click** this button.
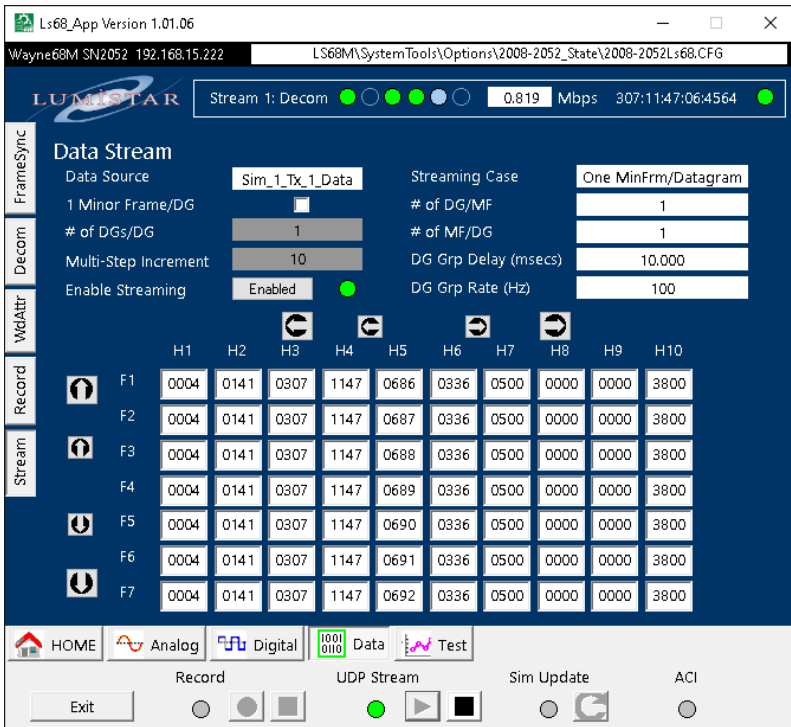
The data listed under the HX headings are Time Stamps for each Minor Frame.

Click the far Left button to shift the display 10 locations to the Right.
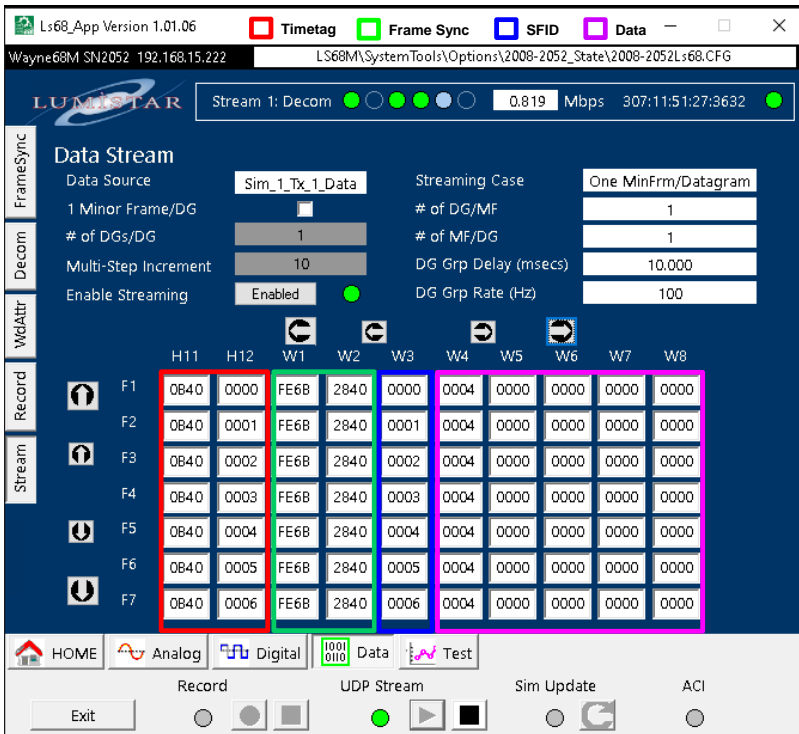
You can see that W6 – W8 are showing 0x000.   This is because this is the default Simulator 1 configuration.

Turn Streaming off by Clicking the Stop Button.

To modify the Simulator, Click the Botom **Test** Tab, the the Left **WdAttr** Tab:

Insure the entries match those above, especially the one indicted with the Arrows.   Finally Click the **Write Button**.   This will fill in the **Raw Value** column with the values that now match the **Word Index**.
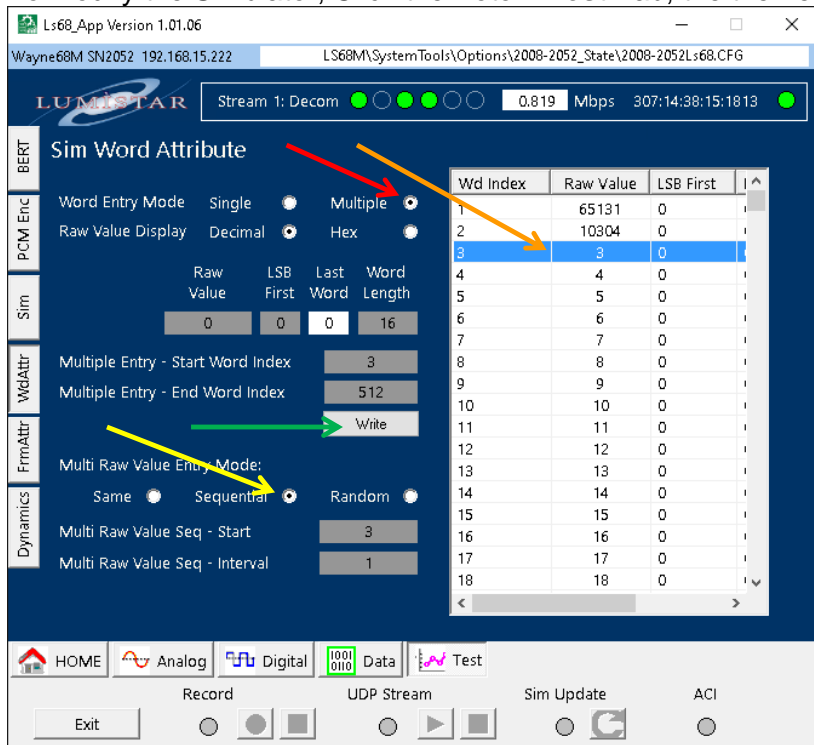
Select the Left **Dynamics** Tab.   Click the **Wordform** Button on the Right
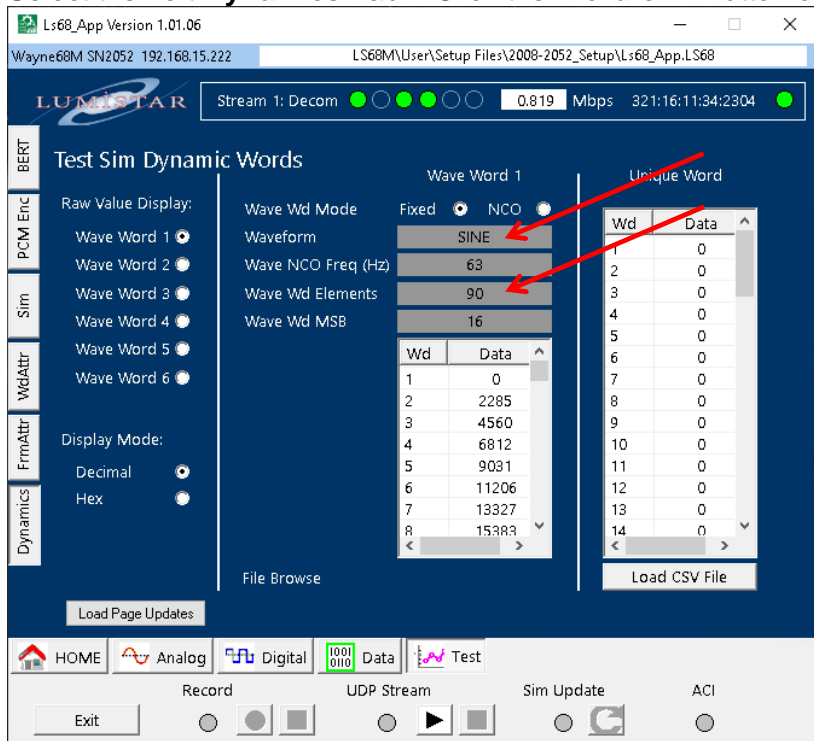
Change the **Wave Word 1**.(in the middle) to **SINE**.   This will populate the Wave 1 values.
Set **Wave Word Elements** to **90**.

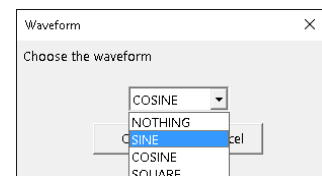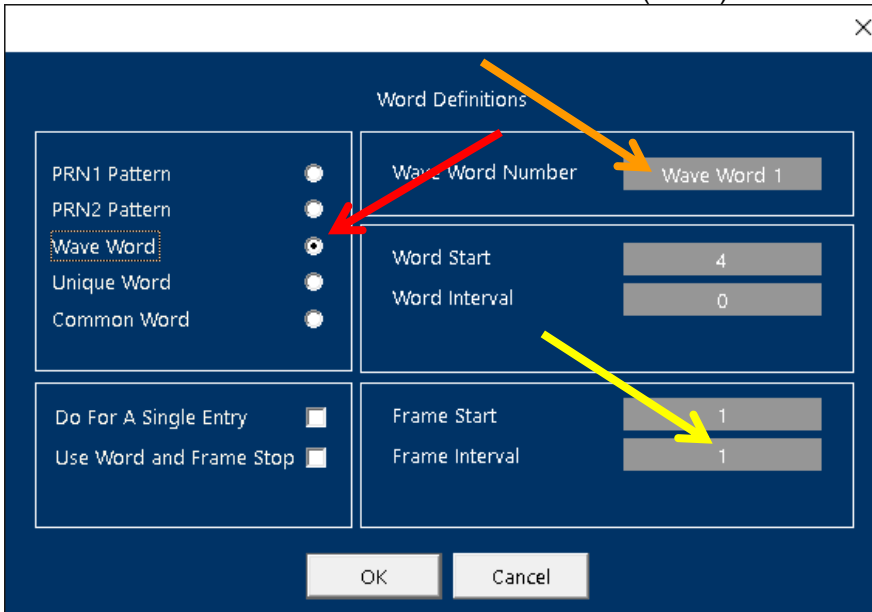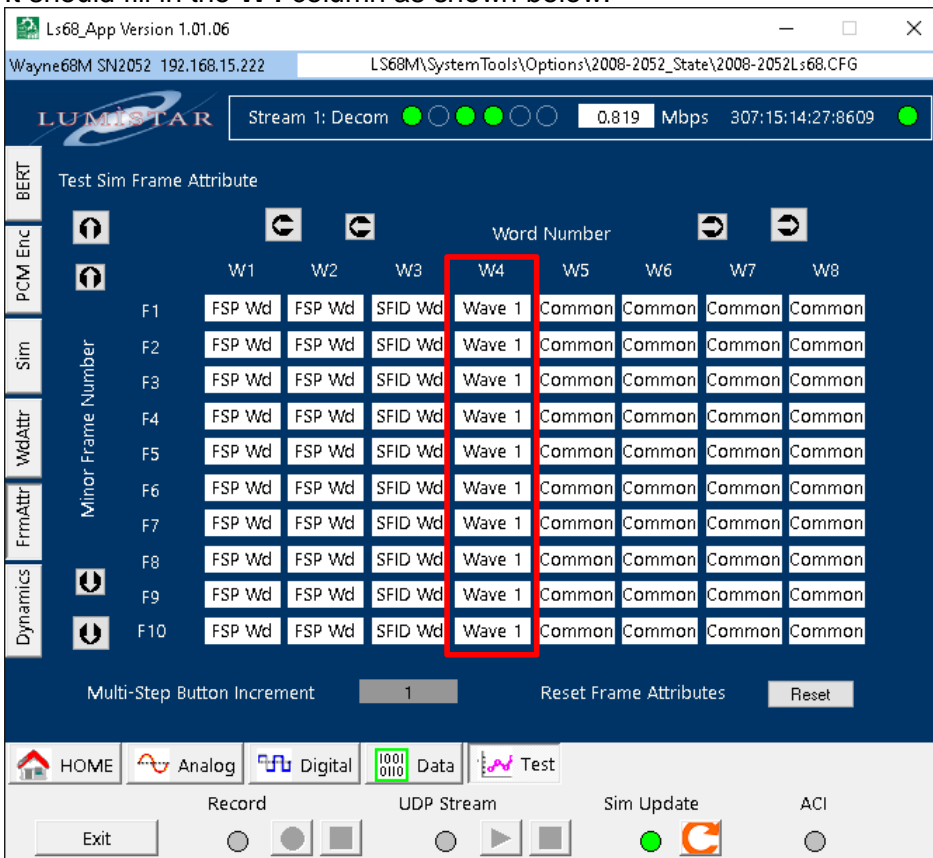Click the Left **FrmAttr Tab**. Click the **Common** (Word) Button at the **F1, W4**

Fill in the Window as shown above, the Click the **OK** Button.

It should fill in the **W4** column as shown below:

Click the **Sim Update** Button to load the current Simulation.

Go back to the **Stream** page by selecting the Bottom **Data** Tab, then the Left **Stream** Button.
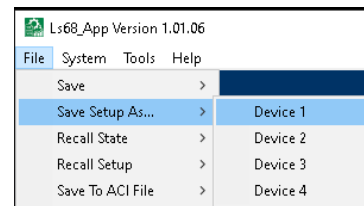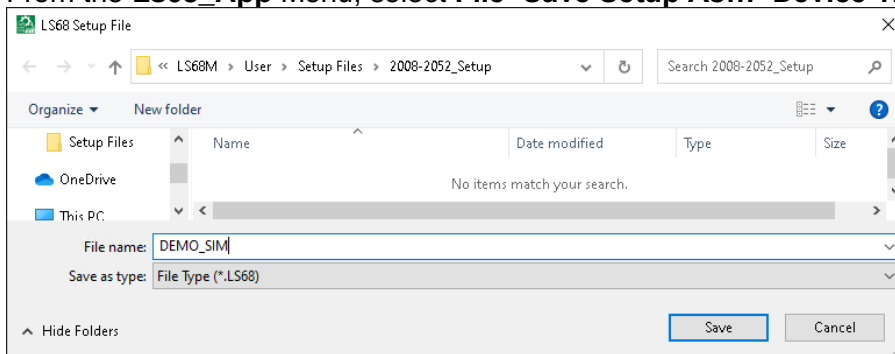
Start streaming by Clicking the Start ▶ Button.

This time you see **W4**, **SINE** data is now rolling through the Frame.   You also see that each Data Word now has its own Word value, that is **W5 is 0x0005, W6 is 0x0006**, ….
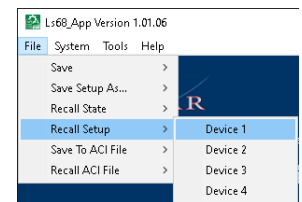
Turn Streaming off by Clicking the Stop ■ Button.

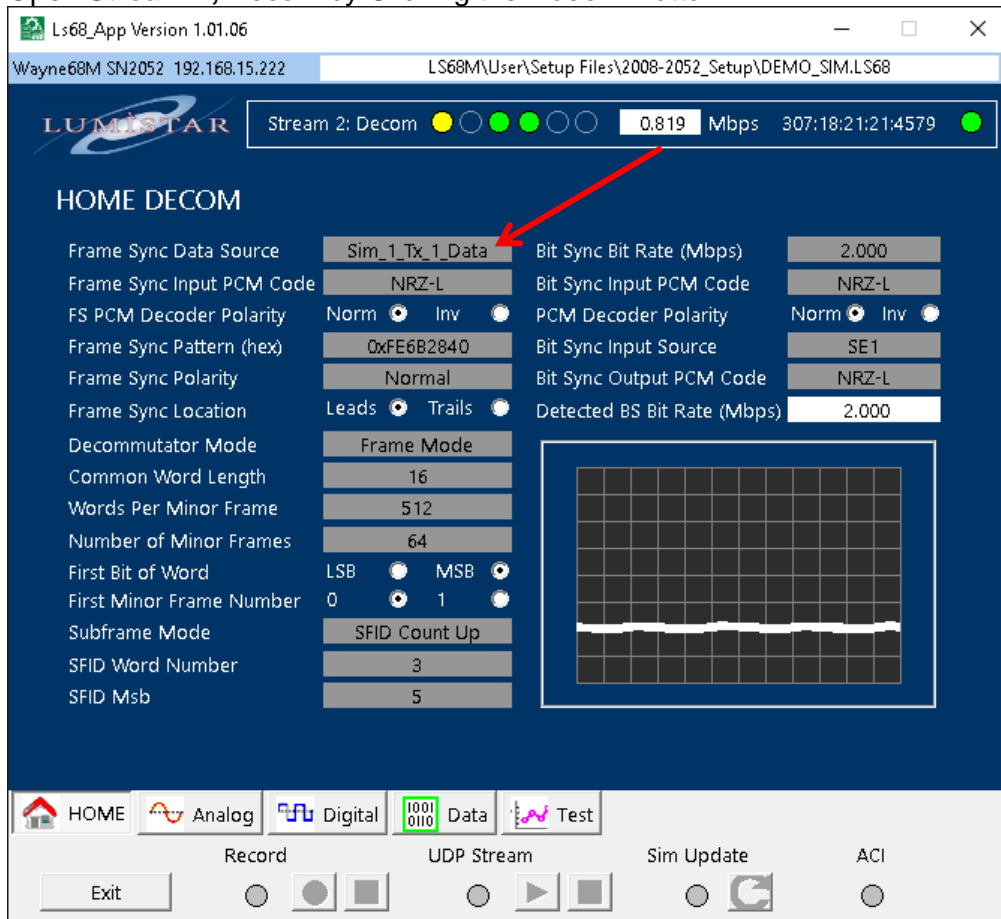From the **Ls68_App** Menu, select **File>Save Setup As…>Device 1.-->**

Name the Saved Configuration as **DEMO_SIM.LS68** then Click the **Save** Button.

Recall this same file to verify it.   From the **Ls68_App** Menu, select:
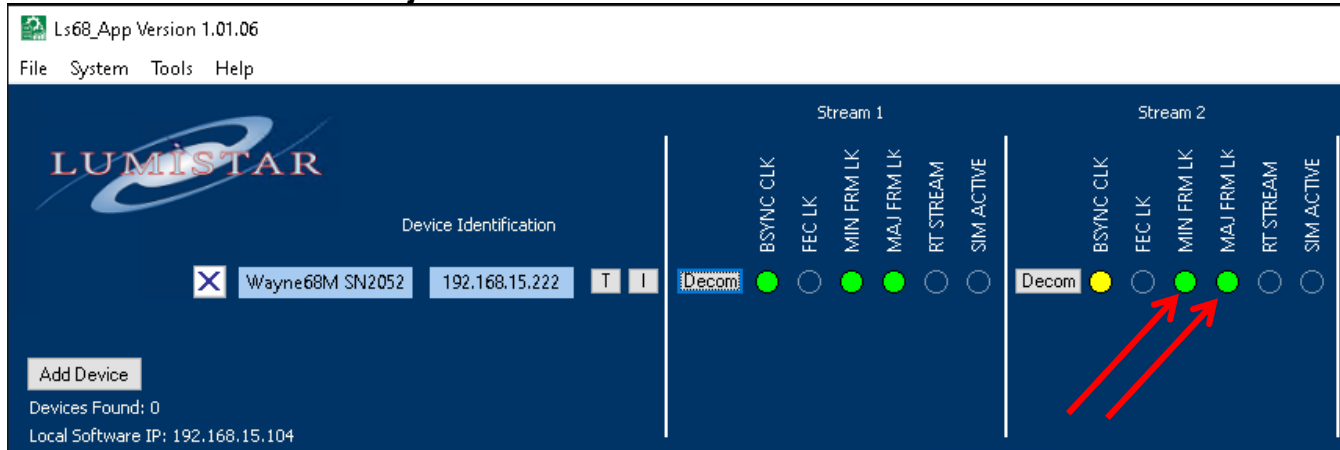**File>Recall Setup>Device 1.**   --➔

Open **Stream 2,** Decom by Clicking the **Decom** Button.

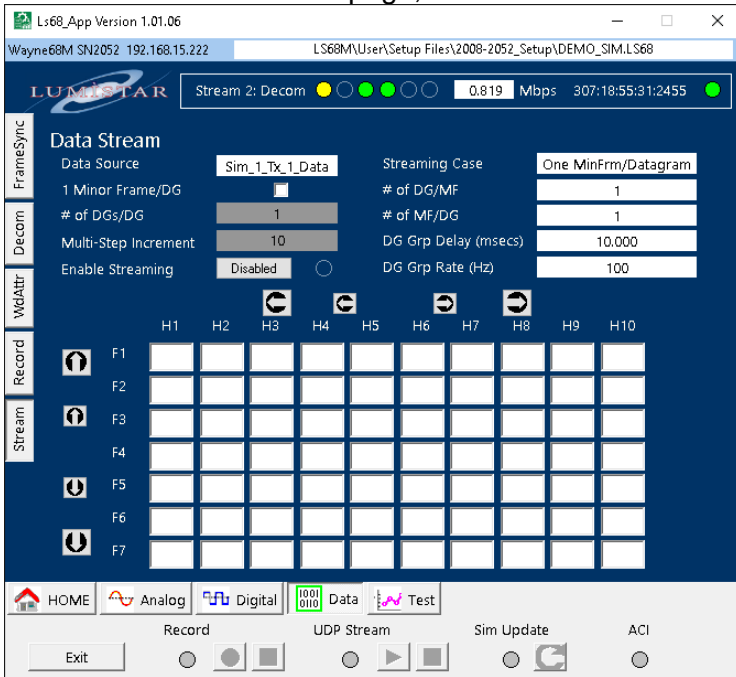Change the Decom **Frame Sync Data Source** to: **Sim_1_Tx_Data** as indicated above.

You will see the **Minor** and **Major Frame** Lock on the Stream 2 Decom:

Note: There is no Bit Sync Lock for Stream 2 because we are using the Bit Sync Data & Clock from Stream 1's Bit Sync into Decom 2.

You can now Stream data from Decom 2.

On the **Stream 2: Decom** page, select the Bottom **Data** Tab, the Left **Stream** Tab,

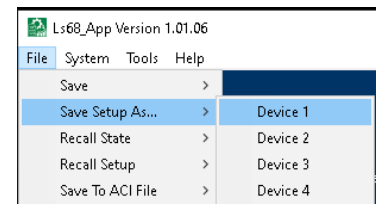Toggle the **Enable Streaming Button** until it says **Enable**, the Click the **Start** [▶] Button.

You now see Data avaliable on Stream 2.

Turn Streaming off by Clicking the Stop [■] Button on Stream 2.

From the **Ls68_App** Menus, select **File>Save Setup As…>Device 1** ------→

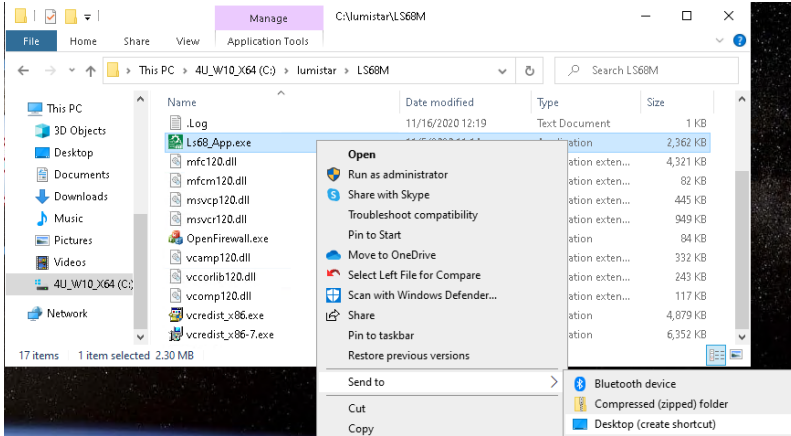Save this configration as **2STR_DEMO_SIM.LS68** for future use.

NOTE

Some of the earlier versionsof the LS68_App install didn't place the **Icon on the Desktop.**

If this is the case, launch the **File Explorer** and steer to: **C:\lumistar\LS68M\Ls68_App.exe**

Right-Click and Select: **Send to>Desktop (create shortcut)** to place the Icon on the Desktop.